

P-W

FRANCO-WESTERN #2 NAVAJO 203
SE NW 27-41N-28E APACHE COUNTY

sl

COUNTY Apache AREA 50 mi W/Shiprock LEASE NO. 14-20-603-228

WELL NAME Franco Western Oil Company #2 Navajo

LOCATION SE NW SEC 27 TWP 41N RANGE 28E FOOTAGE 1980' FNL 1980 FWL

ELEV 5483' GR 5491' DF 5494' KB SPUD DATE 8-17-62 STATUS Dry TOTAL DEPTH 6259'
Well 6264'

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<u>X</u>
<u>8 5/8"</u>	<u>1012'</u>	<u>500 sx</u>	<u>NA</u>	DRILLED BY CABLE TOOL	
				PRODUCTIVE RESERVOIR	
				INITIAL PRODUCTION	<u>P&A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Wingate	900'		X	
Chinle	1090			
Shinarump	2050			
Moenkopi	2120			
Coconino	2300			
U. Hermosa	4290			
Des. Creek	5090			
Molas	5795			
Leadville	5925			
Dolomite	6020			
Limestone	6140			
Dolomite	6180			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Acoustic Velocity;			Am Strat
Caliper, Welex IE	NA	NA	SAMPLE DESCRP.
			SAMPLE NO. <u>692</u>
			CORE ANALYSIS
			DSTs <u>X</u>
			Tucson 1361
REMARKS			APP. TO PLUG <u>X</u>
			PLUGGING REP. <u>X</u>
			COMP. REPORT <u>X</u>

WATER WELL ACCEPTED BY

BOND CO. Hartford Accident & Indemnity Co. BOND NO. 3201588
 BOND AMT. \$ 2,500 CANCELLED 11-18-63 DATE
 FILING RECEIPT 9309 LOC. PLAT X WELL BOOK X ORGANIZATION REPORT X
 API NO. DATE ISSUED 8-10-62 DEDICATION E/2 NW/4

PERMIT NUMBER 205

(over)

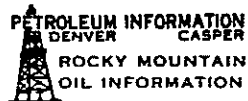
NO.	FROM	TO	RESULTS
1	6010	6150	2:00, ISIP 1970/:30 Rec 670' VSOCM & muddy water FP -55-335, FSIP 1855/:45, HH-3095 #XX

		CORE RECORD		
NO.	FROM	TO	RECOVERY	REMARKS

DATE STARTED - COMPLETED		WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

205
ARIZONA
APACHE CO.
DRY MESA AREA (W)



Twp 41n-28e
Section 27
c se nw
1980 s/n 1980 e/w

OPR: Franco-Western Oil; Shell Oil

WELL #: 2 Navajo

ELEV: 5492 DF.	DSTS. & CORES:	SPUD: 8-17-62	COMPL: 9-7-62
*TOPS: Log 5492 5492	No cores. DST 6010-6150	TD: 6259	PB:
Permian 2300	(straddle pkt), 2 hrs,	CSG: 8-5/8" @ 1012 w/500	
Hermosa 4290	weak blow thruout, rec		
Molas 5795	475 very sli OCM, 195	PERF:	
Leadville 5925	salt wtr, FP 555-335#,		
	SIP (45 min) 1355#, HP		
	3010#.		
		PROD. ZONE:	
		INIT. PROD:	D & A

Contr: Great Western.

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:
 New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

DESCRIPTION OF WELL AND LEASE

Operator: Franco Western Oil Company Address: Box 1176, Bakersfield, California

Lease Name: Navajo Well Number: 2 Field & Reservoir: North Toh-Atin

Location: 1980' S of NL - 1980' E of WL of Section 27-41N-28E Sec.-TWP-Range or Block & Survey

County: Apache Permit number: #14-20-603-228 Date Issued: 6-12-62 Previous permit number: Date Issued:

Date spudded: 8-17-62 Date total depth reached: 9-7-62 Date completed, ready to produce: Elevation (DF, RKB, RT or Gr.): 5491 DF feet Elevation of casing hd. flange: no feet

Total depth: 6259' P.B.T.D.: Single, dual or triple completion? If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: no Rotary tools used (interval): 0-6259' Cable tools used (interval): no

Was this well directionally drilled? no Was directional survey made? yes Was copy of directional survey filed? yes Date filed: 10-3-62

Type of electrical or other logs run (check logs filed with the commission): Induction, contact caliper and acoustic velocity logs Date filed: 10-3-62

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	12 1/4"	8-5/8"	24#	1012'	500	no

TUBING RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
no in.	ft.	ft.	in.	no ft.	ft.		

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval
	no	

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Amt. & kind of material used	Depth Interval
no	

INITIAL PRODUCTION

Date of first production: no Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	* API (Corr)

Tubing pressure	Casing pressure	Cal'ted rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbls.	MCF	bbls.	

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Division Production Supt. of the Franco Western Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date: February 13, 1963 Signature: *AMClothier*

DETAIL OF FORMATIONS PENETRATED

[illegible]

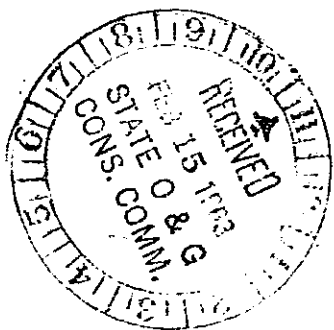
* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Attach drillers log or other acceptable log of well.

PLUGGING RECORD

Operator Franco Western Oil Company		Address Box 1176, Bakersfield, California	
Name of Lease Navajo	Well No. 2	Field & Reservoir North Toh-Atin	
Location of Well 1980' S of NL - 1980' E of WL of section 27-41N-28E		Sec-Twp-Rge or Block & Survey	County Apache
Application to drill this well was filed in name of Franco Western Oil Company	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? no no Dry	
Date plugged: September 8, 1962	Total depth 6259'	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls./day) no no no	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.
Leadville limestone	water	5925-6090'	6100-5800' 85 sx
Hermosa group	water	4290-5795'	5600-5400' 50 sx
Hermosa	water		4350-4200' 43 sx
Cutler group	no	2300-4290	2350-2200' 42 sx
Navajo Wingate	no	800-1090'	1012- 970' 12 sx
			40-surface 16 sx
CASING RECORD			
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)
8-5/8"	1012'	None	1012'
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water.
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE			
Name	Address	Direction from this well:	
Shell Oil Co.	Farmington, New Mexico	North	
Sinclair-Superior-Pan American	Durango, Colorado	East and West	
Tidewater	Durango, Colorado	South	
Texas Pacific	Farmington, New Mexico	Southeast	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.			
The above plugging information was submitted to your office on Form 9331-b, Sundry			
Notice, September 26, 1962.			
Use reverse side for additional detail File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Division Production Supt.</u> of the <u>Franco Western Oil Company</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.			
Date February 13, 1963		Signature <i>B. McElhiney</i>	
		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION	
		Plugging Record File two copies	
		Form No. P-15	
		Authorized by <u> </u>	
		Effective <u> </u>	

205
B



APPLICATION TO ABANDON AND PLUG

FIELD North Toh-Atin
 OPERATOR Franco Western Oil Company ADDRESS P.O. Box 1176, Bakersfield, California
 LEASE Navajo WELL NO. 2 COUNTY Apache
 SURVEY _____ SECTION 27-41N-28E DRILLING PERMIT NO. _____
 LOCATION 1980' S of NL - 1980' E of WL Serial No. 14-20-603-228

TYPE OF WELL Dry hole TOTAL DEPTH 6259'
(Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) no
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST no
 PRODUCING HORIZON no PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD

8-5/8" OD 24# 8Rd thd casing set at 1012' with 500 sacks cement

2. FULL DETAILS OF PROPOSED PLAN OF WORK Heavy mud between each cement plug

Cement Plug	6100 to 5800'
" "	5600 to 5400'
" "	4350 to 4200'
" "	2350 to 2200'
" "	1012 to 970'
" "	40 to Surface

If well is to be abandoned, does proposed work conform with requirements of Rule 202? yes. If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS September 8, 1962

NAME OF PERSON DOING WORK Halliburton ADDRESS Farmington, New Mexico

CORRESPONDENCE SHOULD BE SENT TO Franco Western Oil Company, P. O. Box 1176,
Bakersfield, California

NAME *M. L. Anderson*
 TITLE Division Production Superintendent

Date Approved Feb. 19, 1963

M. L. Anderson
 STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

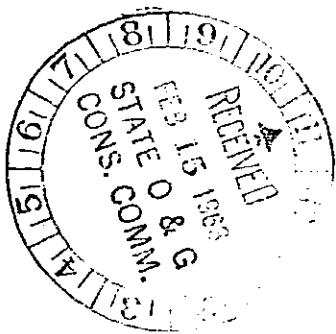
STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug

Form No. 15A

File 2 Copies

~~Authorized by Order No. 1-0-00~~

Effective April 6, 1965



Form 9-331b
(April 1952)

	0	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R359.4.

Indian Agency Navajo

Allottee Tribal

Lease No. 14-20-603-228

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 12, 1962

Well No. 2 is located 1980 ft. from N line and 1980 ft. from W line of sec. 27

14 (1/4 Sec. and Sec. No.) 11N (Twp.) 28E (Range) S. I. M. (Meridian)
North Toh-Atin (Field) Apache (County or Subdivision) Arizona (State or Territory)

The elevation of the derrick floor above sea level is 5491 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Cement plug	6100' to 5800'
" "	5600' to 5400'
" "	4350' to 4200'
" "	2350' to 2200'
" "	1012' to 970'
" "	40' to surface

Service work to be done by Halliburton Co.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

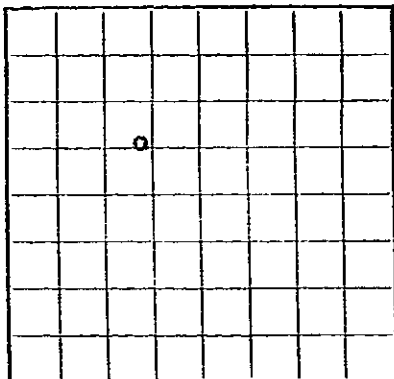
Company Franco Western Oil Company

Address P. O. Box 1176

Bakersfield, California

By RM Clotter

Title Division Prod. Supt.

U. S. LAND OFFICE Farmington, N.M.
SERIAL NUMBER 14-20-603-228
LEASE OR PERMIT TO PROSPECT Navajo

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Franco Western Oil Company Address P. O. Box 1176, Bakersfield, California
Lessor or Tract Navajo Field North Toh-Atin State Arizona
Well No. 2 Sec. 27 T. 41N R. 28E Meridian S.L.M. County Apache
Location 1980 ft. N of N Line and 1980 ft. E of W Line of N 1/4 Sec. 27 Elevation 5491 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed B. M. CloutierDate September 26, 1962Title Division Production Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling August 17, 1962 Finished drilling September 7, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from surface to 1090 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8"</u>	<u>21.5</u>	<u>82.4</u>	<u>Youngtown</u>	<u>1012'</u>	<u>Baker</u>	<u>no</u>	<u>no</u>	<u>no</u>	<u>no</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>1012'</u>	<u>500 sacks Ideal</u>	<u>Service Company</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6259 feet, and from _____ feet to _____ feet
Cable tools were used from no feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FOLD MARK

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

B. M. Clother

Date September 26, 1962

Title Division Production Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling August 17, 1962 Finished drilling September 7, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from surface to 1090 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	25.9	8.82	Youngtown	1012'	Baker	no	no	no	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1012'	500 sacks Ideal	Service Company		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6259 feet, and from _____ feet to _____ feet
Cable tools were used from no feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1090	1090	Navajo - Wingate Sandstone Sandstones, white - orange, medium - fine - grained.
1090	2050	960	Chinle shale Shale and silt., red and orange
2050	2120	70	Shinarump Gchl. Sandstone, white, medium-grained, with rare chert fragment
2120	2300	180	Moenkopi shale Shale, purple and gray, soft.
2300	4290	1990	Cutler group Sandstone, orange, medium-fine-grained 2300-2620; shale, red, green, gray 2620-4290.
4290	5795	1505	Hermosa group 4290-4600 Sandstone, green, very fine grained, very calcareous interbedded with tan dense limestone and gray shale
5795			

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			4600-5795 Limestone, white, tan, and gray, generally dense with thin interbeds of shale, chert and dolomite. Dolo- mite @ 5280-5300. Chert @ 4920-40, 5330-50, and 5680-5700.
5795	5925	130	Melas shale Shale, red, green, and brown with thin stringers of limestone.
5925	6090	165	Leadville limestone Limestone, cream, dense.
6090	6140	50	Dolomite, light brown, sacrosic.
6140	6180	40	Limestone, cream, dense.
6180	6259 TD	79	Dolomite, brown, medium-grained, sacrosic with excellent porosity development.

LEAD-1-	AL-	AND TITAN	CONVERTED
FORMATION RECORD			
DIP			
DIP			
DIP			

ROCK SAMPLES FOR ANALYSIS			
If the well is to be drilled to a depth of 1000 feet or more, a sample of rock should be taken at the bottom of the hole. The sample should be taken from the bottom of the hole, not from the side of the hole.			
The sample should be taken from the bottom of the hole, not from the side of the hole.			
The sample should be taken from the bottom of the hole, not from the side of the hole.			

SAMPLE TOOLS USED FROM			
SAMPLE TOOLS USED FROM			
SAMPLE TOOLS USED FROM			

TOOLS USED			
TOOLS USED			
TOOLS USED			

SHOOTING RECORD			
SHOOTING RECORD			
SHOOTING RECORD			

PLUGS AND ADAPTERS			
PLUGS AND ADAPTERS			
PLUGS AND ADAPTERS			

MIDDING AND CEMENTING RECORD			
MIDDING AND CEMENTING RECORD			
MIDDING AND CEMENTING RECORD			

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

DATE	REASON	DEPTH	WATER	TEMPERATURE	WELL	WELL	WELL	WELL	WELL
------	--------	-------	-------	-------------	------	------	------	------	------

CASING RECORD

No. 3' from	to	No. 4' from	to
-------------	----	-------------	----

IMPORTANT WATER SAMPLES

No. 3' from	to	No. 5' from	to
-------------	----	-------------	----

No. 3' from	to	No. 5' from	to
-------------	----	-------------	----

Form 9-331b
(April 1932)

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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R359.4.

Indian Agency Navajo

Allottee Tribal

Lease No. 14-20-603-228

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
8-5/8" OD Surface Casing	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 22, 1962

Well No. 2 is located 1980 ft. from N line and 1980 ft. from E line of sec. 27

41N 28E S.T.M.
(Twp.) (Range) (Meridian)

North Toh-Atin Apache Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5491 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

8-17-62 Navajo No. 2 spudded 3:00 A.M.

8-18-62 Drilled 12-1/4" hole to total depth of 1012'.
8-5/8" OD, 24#, new smls casing set at 1012' with 500 sacks Ideal
cement (400 sacks regular cement 2% Gel - 100 sacks regular cement
2% C.C.)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Franco Western Oil Company

Address P. O. Box 1176

Bakersfield, California

By B. M. Clothier

Title Production Superintendent

10576

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

NAME OF COMPANY OR OPERATOR

DATE

Franco Western Oil Company

Address

City

State

P. O. Box 1176

Bakersfield,

California

DESCRIPTION OF WELL AND LEASE

Name of lease

Navajo Indian Reservation

Well number

2

Elevation (ground)

5483' (ungraded)

Well location

(give footage from section lines)

Section—township—range or block & survey

1980' from the North line and 1980' from the West line, Section 27, T-41-N,

Field & reservoir (if wildcat, so state)

North Toh-Atin

County

Apache

R-28-E, S.L.M.

Distance, in miles, and direction from nearest town or post office

50 mi. west of Shiprock, New Mexico

Nearest distance from proposed location to property or lease line:

3300 feet

Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:

Approx. 4500 feet

Proposed depth:

6250'

Rotary or cable tools

Rotary

Approx. date work will start

August 15, 1962

Number of acres in lease:

2560 acres

Number of wells on lease, including this well, completed in or drilling to this reservoir:

2

If lease, purchased with one or more wells drilled, from whom purchased:

N.A.

Name

Address

Status of bond

In Force (attached)

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

* Fill in Proposed Casing Program on other side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the Franco Western Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

August 6, 1962

Date

Signature

H. D. Campbell

Permit Number: 205

Approval Date: Aug. 10, 1962

Approved By: *[Signature]*

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

See Instruction on Reverse Side of Form

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION

Application to Drill, Deepen or Plug Back

Form No. P-1

File two copies

Effective Feb. 28, 1962.

INSTRUCTIONS

READ CAREFULLY AND COMPLY FULLY

For the purpose of this determination attach hereto a neat, accurate plat, map or sketch of this lease, section, block or lot locating thereon the proposed site for this location. Plat shall be drawn to a scale which will permit the facile observation of all pertinent data. Show distances of the proposed well from the two nearest lease and section lines, and from the nearest wells on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Do not confuse survey lines with lease lines. The sketch or plat should show your entire lease if possible. If it is not practical to show the entire lease and the plat shows only a section, block or lot out of your lease, you should clearly show that same is only a part of the lease.

Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32 lb.	H-40	Surf.	1200'	Around Shoe	450
5 1/2"	15.5 lb.	J-55	Surf.	6250'	6250'	350

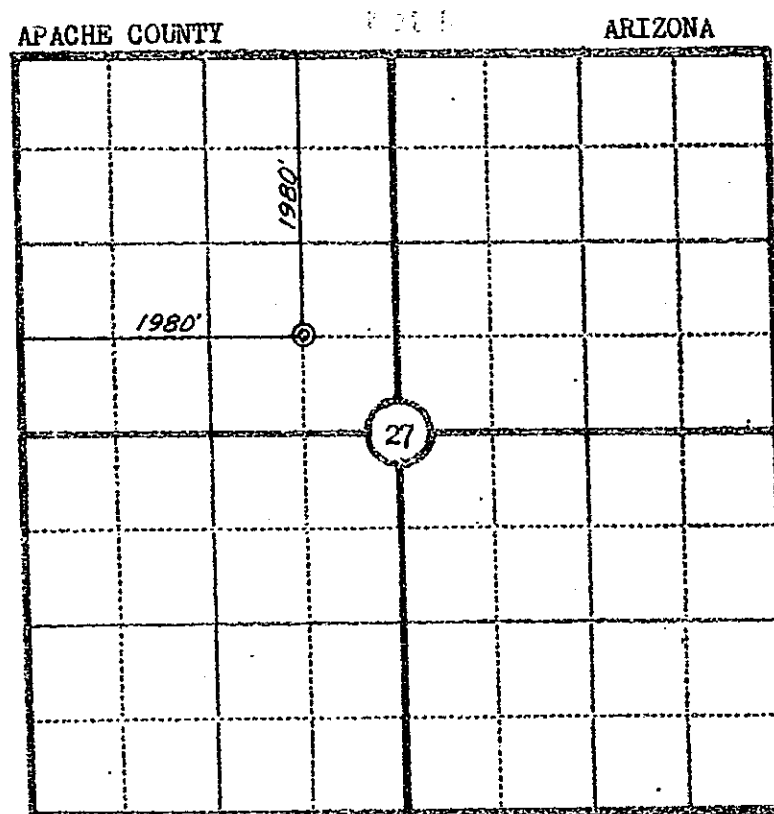
Company FRANCO WESTERN OIL COMPANY

Lease NAVAJO Well No. 2

Sec. 27 T. 41 NORTH R. 28 EAST, S.L.M.

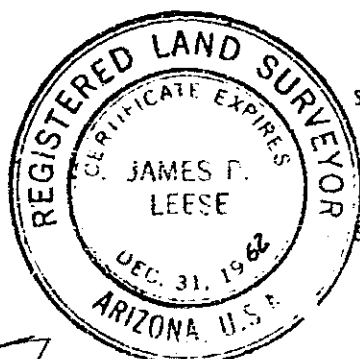
Location 1980' FROM THE NORTH LINE & 1980' FROM THE WEST LINE

Elevation 5483.0 UNGRADED



Scale—4 inches equal 1 mile

This is to certify that the above plat was prepared from field note of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Seal:

James P. Lease
Registered Land Surveyor.

James P. Lease
Ariz. Reg. No. 1849

Surveyed 29 July, 1962

SAN JUAN ENGINEERING CO Y. FARMINGTON, N. M.

205



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

June 19, 1969

Mr. Raleigh Kreuz
Mobil Oil Corporation
P. O. Box 633
Midland, Texas 79701

Dear Raleigh:

Thanks for your call this morning. We hope that your organization will see fit to drill in this state. If there is anything in the Rules and Regulations that is not clear to you, let us hear about it. When you anticipate a drilling program, give us some notice so that we may supply you with the requisite forms to grease the wheels of administration.

Concerning our Commission personnel, John Bannister heads this office with the title of Executive Secretary. James Scurlock is the Geologist. Mrs. Ann vonBlume is secretary to Mr. Bannister, Miss Jamie Francis does clerical and steno work in our office, and I am general flunky and clean-up man. Miss Francis deals with the general correspondence and incoming well information and usually has pretty complete information as to what is going on as pertains to the wells and well files. Each of these people are cooperatively disposed.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf
Enc.

#205

Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

June 18, 1969

Mr. James A Lambert
Administrative Assistant
Oil & Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona, 85007

Dear Mr. Lambert:

FRANCO-WESTERN NO. 2 NAVAJO
T-41N, R-28E, G&SRM SURVEY,
SECTION 27, SE/4 NW/4,
APACHE COUNTY, PERMIT NO. 205

94 I am enclosing copies of the electric logs on the subject well as requested in your letter of May 6, 1969.

Mobil Oil Corporation purchased Franco (Western) Wyoming Oil Company July 1, 1965 and Mobil's Midland Division operates the properties in Arizona. Future correspondence pertaining to Franco (Western) Wyoming or Mobil should be directed to Mobil Oil Corporation, P. O. Box 633, Midland, Texas 79701, Attention: I. B. Stitt, Division Operations Engineer.

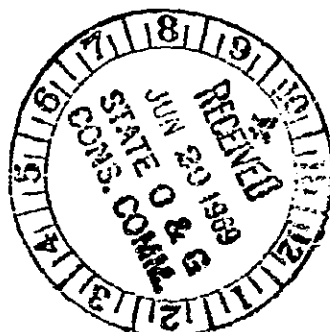
Yours very truly,

C. F. Underriner, Jr.
C. F. Underriner, Jr.
Division Engineer

EABusch/gl

Encl.

I-E Log Recd.



X-Lambert
X-Chloro

May 27, 1969

Franco Western Oil Company
Box 1176
Bakersfield, California 93302

Re: Franco-Western #2 Navajo
T41N, R28E, G & SRM
Sec. 27: SE/4 NW/4
Apache County
Permit #205

Gentlemen:

On May 6, 1969, we mailed a letter to H. D. Campbell, President,
requesting information concerning the captioned well. Please
give us a reply to that letter

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

X-Cheno
X-Lambert

May 6, 1969

Mr. H. D. Campbell, President
Franco Western Oil Company
Box 1176
Bakersfield, California 93302

Re: Franco-Western #2 Navajo
T41N, R28E, G & SRM
Sec. 27: SE/4 NW/4
Apache County
Permit #205

Dear Mr. Campbell:

In reviewing our file we find that a Welox I. E. Log was run on the captioned well. We have no record of ever receiving the log in this office. In order to make the file complete on this well, we need a copy of this log and would appreciate receiving it at your earliest convenience if at all possible.

Yours truly,

James A. Lambert
Administrative Assistant

jf

November 18, 1963

Mr. Paul Sybrandt
1805 Twenty-Eighth Street
Westchester Village
Bakersfield, California

Re: Toh-Atin Field
Navajo Indian Reservation
Apache County, Arizona
Navajo Lease No. 2
Navajo Well No. 2
Contract 14-20-603-228

Gentlemen:

Since the requirements, paragraph 101 Rules and Regulations of this Commission have been satisfied in regard to this drilling bond it is herewith released on the above well.

We hope Franco Western will drill more wells in Arizona.

Yours truly,

John K. Petty
Acting Executive Secretary

cc: Mr. Bryant K. Zimmerman
Franco Western Oil Company
P.O. Box 1176
Bakersfield, California

JEP:lj

205

BOND

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 3201588

That

we: FRANCO WESTERN OIL COMPANY

of the

County of: Kern

in the

State of: California

as principal,

and Hartford Accidental and Indemnity Company

of

Hartford, Connecticut

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

SE 1/4 NW 1/4 of Section 27, Township 41 North, Range 28 East

(May be used as blanket bond or for single well)

G. & S.R.B. & M.

CANCELLED

DATE 11-18-63

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation shall be in full force and effect.

STATE OF CALIFORNIA

COUNTY OF Kern

ss.

On this 19th day of July in the year one thousand nine hundred and sixty two, before me,

Adele Rae Gambill

, a Notary Public in and for said County, residing therein, duly

commissioned and sworn, personally appeared Paul Sybrandt known to me to be the Attorney-in-Fact of the Hartford Accident and Indemnity Company, the Corporation described in and that executed the within instrument, and also known to me to be the person who executed it on behalf of the Corporation therein named, and he acknowledged to me that such Corporation executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my Official Seal, at my office, in the said County, the day and year in this certificate first above written.

My Commission will Expire 12/3/64

S.A. 56

5057

Adele Rae Gambill
Notary Public in and for said County, State of California

BOND

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 3201588

That

we: FRANCO WESTERN OIL COMPANY

of the Kern County in the California State of:

as principal, and Hartford Accidental and Indemnity Company

of Hartford, Connecticut
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

SE 1/4 NW 1/4 of Section 27, Township 41 North, Range 28 East
(May be used as blanket bond or for single well)
G. & S.R.B. & M.

CANCELLED

DATE 11-18-63

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Two Thousand Five Hundred Dollars (\$2,500.00)

Witness our hands and seals, this 19th day of July 1962

FRANCO WESTERN OIL COMPANY
By [Signature] PRESIDENT

By Henrietta M. Hamlyn ASSISTANT SECRETARY/Principal

Witness our hands and seals, this 19th day of July, 1962

Hartford Accident and Indemnity Company

[Signature]
Attorney-in-Fact

Surety

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved _____

Date

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION

Hartford Accident and Indemnity Company

HARTFORD, CONNECTICUT

6

POWER OF ATTORNEY

Know all men by these Presents, That the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a corporation duly organized under the laws of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, does hereby make, constitute and appoint

PAUL SYDRAHDT, of BAKERSFIELD, CALIFORNIA,

its true and lawful Attorney(s)-in-fact, with full power and authority to sign, execute and acknowledge

any and all bonds and undertakings in penalties not exceeding the sum of TWO HUNDRED THOUSAND DOLLARS (\$200,000.00) each, on behalf of the Company in its business of guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; guaranteeing the performance of insurance contracts where surety bonds are accepted by states or municipalities, and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed,

and to bind the HARTFORD ACCIDENT AND INDEMNITY COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the HARTFORD ACCIDENT AND INDEMNITY COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-fact may do in pursuance hereof.

This power of attorney is granted under and by authority of the following By-Law adopted by the Stockholders of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 10th day of February, 1943.

ARTICLE IV

Section 8. The President or any Vice-President, acting with any Secretary or Assistant Secretary, shall have power and authority to appoint, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-fact and at any time to remove any such Resident Vice-President, Resident Assistant Secretary, or Attorney-in-fact, and revoke the power and authority given to him.

SECTION 11. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company and to attach the seal of the Company thereto any and all bonds and undertakings, and other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-fact shall be as binding upon the Company as if signed by an Executive Officer and sealed and attested by one other of such Officers.

In Witness Whereof, the HARTFORD ACCIDENT AND INDEMNITY COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, duly attested by its Assistant Secretary, this ^{13th} day of September, 19 50

Attest:

A. W. Spaulding
Assistant Secretary

HARTFORD ACCIDENT AND INDEMNITY COMPANY

W. J. Spaulding
Vice President

STATE OF CONNECTICUT, }
COUNTY OF HARTFORD, } SS.

On this 13th day of September, A. D. 19 50, before me personally came

A. W. SPAULDING, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice-President of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

John M. Del Greco
Notary Public

CERTIFICATE

STATE OF CONNECTICUT, }
COUNTY OF HARTFORD, } SS.

I, the undersigned, Assistant Secretary of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a Connecticut Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force and has not been revoked; and furthermore, that Article IV, Sections 8 and 11, of the By-Laws of the Company, set forth in the Power of Attorney, is now in force.

Given under my hand and the seal of the company, at the City of Hartford, on 7-12-62

A. W. Spaulding
Assistant Secretary



1805 TWENTY-EIGHTH STREET
WESTCHESTER VILLAGE
BAKERSFIELD, CALIFORNIA
FAIRVIEW 5-5003

October 31, 1963

Oil and Gas Conservation Commission
Suite 221, 3500 North Central
Phoenix 12, Arizona

Re: Toh-Atin Field
Navajo Indian Reservation
Apache County, Arizona
Navajo Lease No. 2
Navajo Well No. 2
Contract 14-20-603-228

Gentlemen:

We are the Insurance carriers of Bond 3201588 for the Franco Western Oil Company which was submitted to you by them, August 6, 1962. This was in the amount of \$2,500.00 in connection with the above well.

The well was abandoned as per their letter to you on September 18th and had been abandoned for some months. In their letter to you which they sent us a copy, they asked that you advise us that the Bond has been terminated and released.

We would appreciate hearing from you in the near future, and enclose a self addressed stamped envelope for your convenience.

Yours very truly,

Paul Sybrandt
Paul Sybrandt Inc.

re:-

Gentlemen:

Since the requirements of this Commission have been satisfied in regard to this drilling bond, paragraph 101, Rules & Regulations, it is herewith released ~~on the~~ ^{and the} above well.

We hope Franco Western will drill more wells in

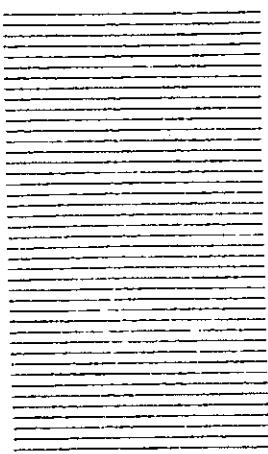
Arizona

yours truly

cc. Mr. Bryant K. Zimmerman, Franco Western Oil Company, P.O. Box # 1176 Bakersfield, Ca



FIRST CLASS
PERMIT NUMBER 705
BAKERSFIELD, CALIF.



BUSINESS REPLY MAIL

NO POSTAGE STAMP NECESSARY IF MAILED IN THE UNITED STATES

POSTAGE WILL BE PAID BY

Paul
Sybrandt
INC.
INSURANCE

WESTCHESTER VILLAGE

1805 - 28TH STREET • BAKERSFIELD, CALIF.





FRANCO WESTERN OIL COMPANY

OIL PRODUCTION AND ROYALTIES

P. O. BOX 1176
BAKERSFIELD, CALIFORNIA

HARRY D. CAMPBELL
PRESIDENT

September 18, 1963

3132 EIGHTEENTH STREET
TELEPHONE FAIRVIEW 7-2213

Oil and Gas Conservation Commission
Suite 221, 3500 North Central
Phoenix 12, Arizona

Re: Toh-Atin Field
Navajo Indian Reservation
Apache County, Arizona
Navajo Lease No. 2
Navajo Well No. 2
Contract 14-20-603-228

Dear Sirs:

With our letter of August 6, 1962 we submitted bond #3201588 of Hartford Accident and Indemnity Company dated July 19, 1962, in the amount of \$2,500, in connection with the above well.

Since the well has been abandoned for some months, we request that you write to the surety company c/o Mr. Paul Sybrandt, 1805 - 28th Street, Bakersfield, California, confirming that the bond is released and terminated.

Thank you for your assistance.

Very truly yours,

FRANCO WESTERN OIL COMPANY

By Bryant K. Zimmerman
Bryant K. Zimmerman
Secretary

BKZ:kf

cc: Mr. Paul Sybrandt

205
letter written to
Mr. Paul Sybrandt

February 19, 1963

Franco Western Oil Company
750 Fourth National Bank Building
Wichita, Kansas

Attention: Mr. L. M. Clothier, Div. Production Supt.

Re: Navajo No. 2 - Sec. 27, T41N, R28E, Apache County, Arizona

Gentlemen:

Enclosed are your approved copies of the following forms:

Application to Abandon and Plug
Plugging Record
Well Completion or Recompletion Report

We certainly appreciate your prompt compliance with our request of February 7, 1963 in which we asked for the filing of the above completed forms.

Yours very truly,

N. A. Ludewick
Executive Secretary

NAL:hme
encs 3

205



HARRY D. CAMPBELL
PRESIDENT

FRANCO WESTERN OIL COMPANY

OIL PRODUCTION AND ROYALTIES

P. O. BOX 1176
BAKERSFIELD, CALIFORNIA

February 13, 1963

Reply to:

MID-CONTINENT DIVISION:
750 FOURTH NATIONAL BANK BLDG.
WICHITA, KANSAS
AMHERST 7-3271

Oil and Gas Conservation Commission
State of Arizona
Room 202
1924 West Adams
Phoenix 7, Arizona

Attention: Mr. N. A. Ludewick
Executive Secretary

Re: Navajo No. 2
27-41N-28E
Apache County, Arizona

Gentlemen:

In compliance with your letter of February 7, 1963, please find enclosed in duplicate the following completed forms pertaining to the above captioned well:

Plugging Record

Well Completion or Recompletion Report and Well Log

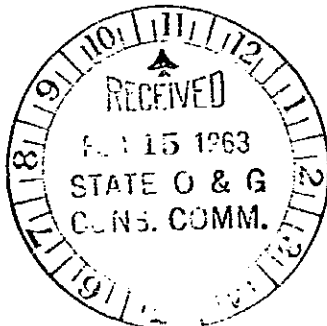
Application to Abandon and Plug

Yours very truly,

FRANCO WESTERN OIL COMPANY

B. M. Clothier
Division Production Supt.

LMC:KWP
Encs.
cc: Bakersfield, California



205

February 7, 1963

Franco Western Oil Company
P. O. Box 1176
Bakersfield, California

Re: Navajo #2 - Sec. 27, T41N, R28E, Apache County, Arizona

Gentlemen:

We find that, while you have furnished this office copies of your log and plugging information on the above well required by the Department of the Interior, you have not furnished a completion record, application to plug and abandon and plugging record as required by the rules and regulations of this commission.

To complete our files, we request that these reports be furnished. Sufficient copies of the forms required are enclosed.

Yours very truly,

N. A. Ludewick
Executive Secretary

encs 10 copies each: Well Completion Report
Application to Plug and Abandon
Plugging Record

2051

August 16, 1962

Mr. H. R. Bilton, Division Landman
Franco Western Oil Company
P. O. Box 1176
Bakersfield, California

Re: Franco Western Oil Co. Navajo Indian Reservation #2 -
Section 27, T41N, R28E, Apache County, Arizona

Dear Mr. Bilton:

Enclosed is your approved copy of application for permit
to drill the above described test together with a receipt
for your \$25.00 permit fee.

We certainly want to wish you the best of luck in this
venture and if we may help in any way, please do not hesi-
tate to call upon us.

Yours very truly,

John K. Petty
Petroleum Geologist

encl 2



FRANCO WESTERN OIL COMPANY

OIL PRODUCTION AND ROYALTIES

P. O. BOX 1176

BAKERSFIELD, CALIFORNIA

August 6, 1962

HARRY D. CAMPBELL
PRESIDENT

3132 EIGHTEENTH STREET
TELEPHONE FAIRVIEW 7-2213

Oil and Gas Conservation Commission
State of Arizona
Suite 221
3500 North Central
Phoenix 12, Arizona

Re: Navajo Indian Reservation
Lease-Contract 14-20-603-228
Well No. 2
Apache County, Arizona

Gentlemen:

We enclose herewith the following:

1. Application for permit to drill, in quadruplicate, dated August 6, 1962.
2. Check in the amount of \$25.00 to cover permit fee in connection with out application to drill.
3. Bond No. 3201588 in duplicate in the amount of \$2,500.00.
4. Certified copy of well location plat.
5. One copy of Organization report.

On March 30, 1956, we forwarded to you a certified copy of the lease survey plat which you have in your files at this time.

In the event there are any additional requirements please do not hesitate to let us know.

Yours very truly,

FRANCO WESTERN OIL COMPANY

By

H. R. Bilton
Division Landman

HRB:pb

Enclosures

cc: Shell Oil Company,
Atten: Mr. J. E. Mohr, w/enc.
San Joaquin Drilling Co., w/enc.
Mr. Matthew W. Kanin, w/enc.

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